

THE MOUNT DIABLO AMATEUR RADIO CLUB'S

CARRIER

ARRL SPECIAL SERVICE CLUB

Volume XLII - Issue 05 - May 1995

GREYDON H. HICKS, KC6SLE

EDITOR

DICK SCHULZE, AA6DL

ASSISTANT EDITOR

The opinions expressed in the Carrier are solely those of the author and do not necessarily reflect the opinions of either the Board of Directors or membership of MDARC unless the author is a member of the MDARC Board of Directors and is speaking in an official capacity.

SOMETHING ABOUT AMATEUR RADIO!

A radio communication service for the purpose of self-training, intercommunication and technical investigation carried out by amateurs, that is, duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest [97.3(a)(4)].

Along with our amateur operators license comes responsibilities. We all should review the five basic principles, Amateur Radio's "Basis and Purpose." Our obligations to each other, the community, technical advancement, training, and good will go beyond the rules. More important we need common sense and common courtesy as we share the frequencies. We are responsible for our actions and our "Amateur Radio" future.

Successful and enjoyable operating requires knowledge, skill, dedication, and courtesy. Skill is the product of operating ability and repeated practice. Dedication means devoting time and energy to learning and then applying knowledge to further enjoyment of the hobby. Amateur Radio courtesy is more than being considerate, it's helping others, being friendly, understanding, and assisting beginners. Good amateur operating practice includes all of these. Remember, people often do as they hear and see. Learn, practice, share, and help, so amateur radio will continue in its great tradition!

Thanks to the ARRL FCC Rule Book and Handbook.

See you on the air!

73s Larry Gansz, KB2GV

MAY MDARC MEETING SPEAKER

John Stuart, KM6QX

The speaker for our May meeting will be Coast Guard Chief Petty Officer Mike Doyle. He is responsible for the technical maintenance of Coast Guard telecommunications equipment aboard ships and at facilities throughout the bay area. His presentation will describe the numerous Coast Guard activities in the Bay Area, and how they use radio communications for their wide variety of operations, including search and rescue.

At next month's meeting, our own Richard Shappee, WA5HQJ, will explain how seismographs measure earthquakes. He'll even show us how to build our own seismograph and connect it to our personal computers.

PUBLIC SERVICE EVENTS

John Stuart, KM6QX

These events are a great experience for new hams, qualify as ARES/RACES training, and are a fundamental purpose of our Amateur Radio Service. No experience necessary, on-the-job training given. For more information, please contact Joe Gregory, WA6DQN, 510 283-6560 for the horse rides, or John Stuart, KM6QX, 510 283-2797 as soon as possible.

Date	Event and Location
5/20 Sat.	Clean Air Challenge, Bike Ride Oakhill Park, Danville
5/21 Sun.	75 mi. Bike Ride, Soroptimist of Moroga Moroga: Castro Valley - Briones
6/3 Sat	Tri-Valley Trail Blazers Horse Ride Mission Peak Regional Park
7/4 Tue.	4th of July Celebration Pleasant Hill
7/29-30 Sat./Sun	IAHA Champ. Competitive Horse Ride Ohlone Wilderness

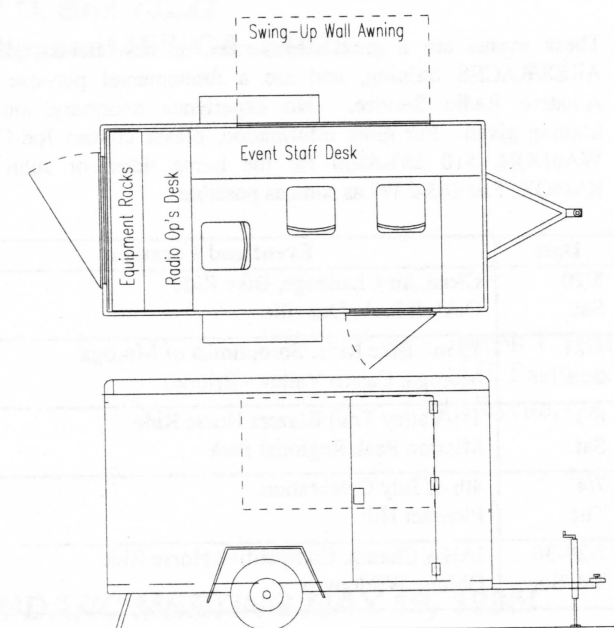
MDARC Trailer Project Started

John Stuart, KM6QX, has been made chairman of a Trailer Project Steering Committee to purchase and outfit a small multipurpose trailer for the use of MDARC members during various amateur radio activities, e.g. public service events, club functions, and RACES/ARES. John originally proposed the trailer to the MDARC Capitol Projects Committee back in February of 1994.

A year later in March, 1995, after researching several possibilities, John formalized his proposal with a written description, cost estimate, justification, and commitment to implement the project with the help of Pete Perata, KA6SHE, and Emmanuel Tsompanas, KC6RUF. Proposed was a \$5,000 budget for a new 6' wide by 12' long enclosed trailer, with work surfaces, batteries, chargers, power distribution, lighting, and several antenna systems installed by MDARC members. No radio equipment was included, but RACES power connectors and multiple antenna connections would be provided.

After receiving approval from the Capitol Projects Committee, and the MDARC Board of Directors, the trailer project was presented, discussed, and approved by the Club membership at the April 21 meeting. The 6' x 12' trailer was special ordered from Wells Cargo with a 4' wide equipment door at the rear, a 30" personnel door on the right side, and a 6' wide swing-up-wall / awning on the left side to provide a "service window" when used at public service events. Delivery is scheduled for June 21, and the initial outfitting by MDARC members should take about 3 months.

A Trailer Project Committee has been established to design, construct, and install the systems mentioned above. Currently, this committee consists of: Pete Perata KA6SHE, Emmanuel Tsompanas KC6RUF, Fletcher Young KI6RP, Bob Williams N6UTX, Keith Lattin N6PMF, John Lytle KD6ZMP, J.C. Smith KC6EIJ, Cal Groom KE6OEI, and Jim Tittle KC6SOE. If you would like to be on this committee, or would like to contribute your good ideas, skills, or material, please contact project chairman John Stuart KM6QX at 510 283-2797 (home), or 415 973-3256 (work).



TO: Mt. Diablo Amateur Radio Club
FROM: PG&E Amateur Radio Club
SUBJECT: April CARRIER Article re: Donation of Equipment

Dear MDARC Members:

The April 1995 CARRIER contained, as part of the Capital Asset Committee Report on page 6, a proposal for a communications trailer which would include equipment donated by the PG&E Amateur Radio Club (implying a donation to MDARC, based on the assumption of the PG&E Amateur Radio Club being dissolved). We would like to clarify what appears to be erroneous assumptions, as well as generally incorrect or incomplete information.

1. The PG&E Amateur Radio Club is NOT being dissolved, nor has any serious consideration been given to being dissolved.
2. The PG&E ARC is currently custodian of some amateur radio equipment owned by PG&E. Our intent has been to identify Company locations where this can be installed to provide health and welfare traffic (and possibly other communications support) to PG&E and its employees in the event of an emergency. Although this effort has not been highly successful for various reasons, it is appropriate that we exhaust all options prior to consideration of equipment donations outside of PG&E's organization.

3. If it has been determined there is no benefit to PG&E to keep the equipment and PG&E is amenable to donating/selling it, additional discussions will have to be held with the appropriate departments internally to identify any requirements PG&E may have (i.e., donation to tax-exempt organizations, advertising, etc...). At this time, we do not have any information on these requirements.

The PG&E ARC fully supports MDARC and its public service efforts, but cannot at this time make commitments for any equipment dispersal's of any kind. Thank you for allowing me to clarify this issue.

Charles Ahlgren WB6IYM
President, PG&E Amateur Radio Club

MDARC BOARD OF DIRECTOR'S MEETING

April 24, 1995

The meeting was called to order by President Larry, KB2GV, at 7:30 PM. Guests at the meeting were Jim Tittle, KC6SOE, Chairman of the Rocky Ridge Repeater Group and Paul Girard, KC6TZU.

It was moved, seconded and passed that we should investigate our non-profit incorporated status, and seek the help of a professional if required to be sure that we do it right. Treasurer Frank, WA6NSC, reported that there had been no significant difference in our situation since his report at the last general membership meeting. EC Sam, KO6JR, reported that the next EC's meeting would be held May 3 at Baker's Square. VEEP John, KM6QX, advised that he had made a deposit of \$700 on the trailer and that we should have it by the end of June. The Board agreed that the registration address should be the club's PO Box. With regard to insurance, it was agreed that we would query club member Bill Hockins, KB6EPG as this is his venue.

The manner in which the Rocky Ridge Repeater Group (RRRG) shares in the cost of club insurance was discussed. This being resolved, RRRG will accept our billing.

A lengthy discussion was held concerning club rules and its repeaters. Both VEEP John, KM6QX, and Secretary Richard, WA5HQJ, had made drafts of possible rules. A committee was formed of Jim, KC6SOE, Paul, KC6TZU, Joyce, KD6PNO and Ray, KD6BLS. They will meet and accomplish their work so that it may be reviewed and accepted by both the MDARC board and the RRRG Steering Committee and published in the June CARRIER.

Paul, KC6TZU, presented a final draft of the club 'flier.' After some corrections, it was accepted by the board and approved for publication.

The meeting adjourned at about 10:00 PM at which time all attendees enjoyed the desserts offered.

Respectfully submitted,
Richard M. Shappee, WA5HQJ
Secretary, MDARC

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- * Beauty is in the eye of the beer holder...
- * 3 kinds of people: those who can count & those who can't.
- * Sign on baby's bib: SPIT HAPPENS.
- * Why is "abbreviation" such a long word?
- * Don't use a big word where a diminutive one will suffice.
- * ...Every morning is the dawn of a new error...
- * A flying saucer results when a nudist spills his coffee.
- * For people who like peace and quiet: a phoneless cord.
- * I can see clearly now, the brain is gone...
- * The beatings will continue until morale improves.
- * I used up all my sick days, so I'm calling in dead.
- * Mental Floss prevents Moral Decay.
- * Madness takes its toll. Please have exact change.
- * Proofread carefully to see if you any words out.
- * There cannot be a crisis today; my schedule is already full.
- * I'd explain it to you, but your brain would explode.
- * Ever stop to think, and forget to start again?
- * A conclusion is simply the place where you got tired of thinking.
- * I don't have a solution but I admire the problem.
- * Don't be so open-minded your brains fall out.
- * If at first you DO succeed, try not to look astonished!
- * Diplomacy is the art of saying 'Nice doggie!' till you can find a rock.
- * Diplomacy - the art of letting someone have your way.
- * If one synchronized swimmer drowns, do the rest have to drown too?
- * If things get any worse, I'll have to ask you to stop helping me.
- * If I want your opinion, I'll ask you to fill out the necessary forms.
- * Don't look back, they might be gaining on you.
- * It's not hard to meet expenses, they're everywhere.
- * Help Wanted: Telepath. You know where to apply.
- * Look out for #1. Don't step in #2.
- * Budget: A method for going broke methodically.
- * Car service: If it ain't broke, we'll break it.
- * Shin: A device for finding furniture in the dark.
- * Do witches run spell checkers?
- * Demons are a Ghouls best Friend.
- * Copyright 1994 Elmer Fudd. All wights wesewved.
- * Dain bramaged.
- * Department of Redundancy Department
- * Headline: Bear takes over Disneyland in Pooh D'Etat!
- * What has four legs and an arm? A happy pit bull.
- * Cannot find REALITY.SYS. Universe halted.
- * COFFEE.EXE Missing - Insert Cup and Press Any Key
- * Buy a Pentium 586/90 so you can reboot faster.
- * $2 + 2 = 5$ for extremely large values of 2.
- * Computers make very fast, very accurate mistakes.
- * Computers are not intelligent. They only think they are.
- * My software never has bugs. It just develops random features.
- * C:\WINDOWS C:\WINDOWS\GO C:\PC\CRAWL

- * C:\DOS C:\DOS\RUN RUN\DOS\RUN
- * <----- The information went data way ----->
- * Best file compression around: "DEL *.*" = 100% compression
- * The Definition of an Upgrade: Take old bugs out, put new ones in.
- * BREAKFAST.COM Halted...Cereal Port Not Responding
- * The name is Baud....., James Baud.
- * BUFFERS=20 FILES=15 2nd down, 4th quarter, 5 yards to go!
- * Access denied--nah nah na nah nah!
- * C:\> Bad command or file name! Go stand in the corner.
- * Bad command. Bad, bad command! Sit! Stay! Staaay..
- * Why doesn't DOS ever say "EXCELLENT command or filename!"
- * As a computer, I find your faith in technology amusing.
- * Southern DOS: Y'all reckon? (Yep/Nope)
- * Backups? We don't *NEED* no steenking backups.
- * E Pluribus Modem
- * ... File not found. Should I fake it? (Y/N)
- * Ethernet (n): something used to catch the etherbunny
- * A mainframe: The biggest PC peripheral available.
- * An error? Impossible! My modem is error correcting.
- * CONGRESS.SYS Corrupted: Re-boot Washington D.C (Y/n)?
- * Does fuzzy logic tickle?
- * A computer's attention span is as long as it's power cord.
- * 11th commandment - Covet not thy neighbor's Pentium.
- * 24 hours in a day...24 beers in a case...coincidence?
- * Disinformation is not as good as datinformation.
- * Windows: Just another pane in the glass.
- * SENILE.COM found . . . Out Of Memory . . .
- * Who's General Failure & why's he reading my disk?
- * Ultimate office automation: networked coffee.
- * RAM disk is *not* an installation procedure.
- * Shell to DOS...Come in DOS, do you copy? Shell to DOS...
- * All computers wait at the same speed.
- * DEFINITION: Computer - A device designed to speed and automate errors.
- * Press <CTRL>-<ALT>- to continue ...
- * Smash forehead on keyboard to continue.....
- * Enter any 11-digit prime number to continue...
- * ASCII stupid question, get a stupid ANSI
- * E-mail returned to sender -- insufficient voltage.
- * Help! I'm modeming... and I can't hang up!!!
- * All wiyht. Rho sritched mg kegtops awound?
- * Error: Keyboard not attached. Press F1 to continue.
- * "640K ought to be enough for anybody." - Bill Gates, 1981
- * DOS Tip #17: Add DEVICE=FNGRCROS.SYS to CONFIG.SYS
- * Hidden DOS secret: add BUGS=OFF to your CONFIG.SYS
- * Press any key... no, no, no, NOT THAT ONE!
- * Press any key to continue or any other key to quit...
- * Excuse me for butting in, but I'm interrupt-driven.

A Reminder

Our club operates for the enjoyment of its members. It is the desire of its Board of Directors that we conduct the business of the club as informally as possible and without the appearance of the great formality that is common in industry. At the same time, there are some areas where we must be reasonably formal in order to be sure that we follow the desires of our membership. One of these concerns the commitment of club funds.

At the start of each year, a budget is prepared by the Board of Directors and submitted to the membership for approval. This budget includes all of the expected sources of income and items of expenditure that will reasonably occur during the year. Once an item is in the approved budget, the Board may expend the approved funds without further approval by the club membership. For a number of reasons, we occasionally have items of expense that arise that were not planned in the budget. If these are greater than \$100, it is necessary for the Board to get approval from the membership before either making a commitment to spend money or to expend club funds. The important thing to understand is that there are many good and worthy places for the club to spend money. Some of the ideas that come forward during the year will in fact earn money for the club. However, no member is authorized to commit expenditure of club funds without prior approval of the membership through the

Board of Directors. The proper way to do this is to

attend a Board meeting, make your recommendation, and let the Board take it to the membership. This way we can all be sure that we exercise fiscal responsibility to the members. Thanks for helping us to spend your money the way you want it spent.

MDARC Board of Directors
Richard M. Shappee, WA5HQJ, Secretary

May MDARC Meeting Speaker

John Stuart, KM6QX

The speaker for our May meeting will be Coast Guard Chief Petty Officer Mike Doyle. He is responsible for the technical maintenance of Coast Guard telecommunications equipment aboard ships and at facilities throughout the bay area. His presentation will describe the numerous Coast Guard activities in the Bay Area, and how they use radio communications for their wide variety of operations, including search and rescue.

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MINUTES OF MDARC DIRECTOR'S MEETING

APRIL 18, 1995

The meeting was called to order by President Larry, KB2GV, at 7:30 PM. The motion was made, seconded and passed that we propose to the membership the purchase of property tags for club owned items. Secretary Richard, WA5HQJ, showed an example and a catalog sheet describing the tags. A minimum purchase of 250 tags would need to be purchased at a cost not to exceed \$175.00 including sales tax. He will prepare a view graph for use at the next membership meeting.

A review of our position was made concerning club hats and shirts. It was noted that we had an approved item in the 1995 budget for patches and shirts of \$400.00. Because of a misunderstanding, we are in possession of shirts and hats that must be paid for. The good news is that the shirts are selling well and are being sold at a profit. In order to clear this item with the membership, it was moved, seconded and passed that an additional authorization of \$280 be presented to the membership for approval at the next meeting.

Treasurer Frank reported that we had a checkbook balance of \$7,199.55, \$10,658.14 in a CD due July 15, 1995, and \$5,118.04 in a CD that had just matured. Because of the ultimate need to consolidate financial reporting from the club and its committees (in order to obtain a non-profit status from the IRS and obtain a non-profit mailing permit from the Post Office), the recommendation was made by Board Member Tom, KO6RO, that we investigate engaging the services of a professional to set up our books and to help us with the necessary applications. The suggestion was also made that we investigate becoming incorporated as a non-profit corporation to reduce the deep-pocket exposure to the club members.

It was reported that we had not filed our Special Services Club application with the ARRL either this year or last. Secretary Richard, WA5HQJ, said he would take action to see that we applied for this year.

The balance of the meeting concerned the proposed capital expense items. It was determined that we had an approved item of \$1,500 for books for libraries and schools. To fulfill the intent of the capital item, \$630 would be required. It was also agreed that we had already funded the scholarship program for the year and this amount would not require further approval by the membership. The Board decided that funding for the proposed BBS would not be requested until a SYSOP acceptable to the board had been identified. The board also agreed to hold request for funding for school radio club activities until responses had been received from interested schools. The remaining item on the proposed capital expenditure list was the MDARC Public Events Communication Trailer. Vice President John, KM6QX, provided a revised layout showing a slightly larger trailer. He said that the intention was to always use the trailer where power was available or where the duration of operation was such that batteries would provide sufficient power. Accordingly, he said that the generator was not needed and this amount was deleted from the request.

The request for capital expenditure for the items recommended by the Board will be presented to the membership at the April 21, 1995 meeting. Respectfully submitted,

Richard M. Shappee, WA5HQJ, Secretary, MDARC

MEMBERSHIP DIRECTORY UPDATE

by Dick Schulze, AA6DL

MDARC is pleased to welcome the following new members:

BEERS, Robert C. (Bob), KE7SSM, Technician
93 Duckhorn Place, Oakley, CA 94561
(510) 679-8211(h), (415) 768-3998(w & fax)
FOX, James L. (Jim), WA6ZWV, General
19454 Lockwood Lane, Volcano, CA 95689
(209) 296-4173

The following renewed after publication of the directory:

RUSSO, Mike, N6EVG, Advanced
1428 Gaucho Ct., San Jose, CA 95118
(510) 638-0133(w), (510) 638-0290(fax)

Congratulations to the following on their upgrades:

Ted Armstrong, KA6LCL, Advance
Philip P. Noyes, KM6RM, Extra

Please note the following changes:

Bradford Wood, N6YUL, new address and telephone,
152 Regency Drive, Clayton, CA 94517
(510) 673-0378

Our membership is now 575 of which 153 are family memberships.

This membership job is exhausting so I am taking a vacation. A few membership updates made during April will appear in the June Carrier.

NEW FOR PACIFICON '95!

Look for new things happening at PACIFICON 1995. The special events will include an active demonstration of APRS/GPS, an on-line internet station, an interactive satellite tracking station, an interactive weather fax station and an interactive satellite station.

Amateur satellite communications will be a central theme with the goal being to demonstrate that satellite amateur communications technology does not require a Ph.D. in orbital mechanics nor access to the federal deficit. Weather fax will demonstrate how satellite information can be accessed directly from HF stations using a general coverage receiver and readily available imaging software. Satellite tracking will demonstrate how easy it is to utilize readily available PC software to know when satellites are accessible for information exchange. An interactive operational satellite communications station will allow those interested to experience this mode of communications first hand.

MINUTES OF THE APRIL 21, 1995 MDARC GENERAL MEETING

The meeting was called to order by President Larry, KB2GV, at 8:00 PM. About 85 members were in attendance. As the first order of business for the evening, Larry asked for a moment of silence in memory of those who had lost their lives in the Oklahoma explosion.

He then called for the introduction of guests, new members, and the acknowledgment of those members who had upgraded. All were met with applause. Minutes of the last general meeting were approved as published in the CARRIER. The minutes of the last Board of Director's meeting were noted to have prematurely announced the demise of the PG & E Ham club, which is very much alive and well, thank you (see the letter to MDARC membership from Charles Ahlgren, President of PG&E ARC on page 2 of this CARRIER. Ed.). VEEP John, KM6QX, announced coming public service events and urged members to take part in these very worthwhile and enjoyable outings. He also announced the next two programs, one to be presented by the Chief Communications Officer of the local Coast Guard office. The following program is slated to concern earthquakes and seismographs, with instructions on how to build your own.

Emergency Coordinator Sam, KO6JR, reported on activities and reminded the membership that the next EC's meeting would be held at Baker's Square, 3 May at 7:30 PM. Jim Wallace, KB6LQG, our training chairman, announced that we would have 17 graduates at the present class along with 9 upgrades. The next classes will start in August. In the absence of Field Day Chairman Lauren, WA6CIE, we had a report from JC, KC6EIJ, reminding us that we should be sure to participate as it is really a lot of fun. Dick, KT6X, reported on behalf of our traveling membership chairman, announcing that we had about 560 members. He also put on his PACIFICON chairman's hat and asked that those who wanted patches to see him. Treasurer Frank, WA6NSC, advised that we had a total of \$22,975.73 in all accounts of MDARC.

Ray, KD6BLS told of the free Internet training available at the public libraries. Call for an appointment, bring a diskette, and go home with a ton of software. Ray serves as a docent at the Pleasant Hill branch on Tuesdays from noon until 4:00 PM. President Larry reminded the membership of the coming club picnic to be held at Baldwin Park on July 23. He also announced that the next Board of Director's meeting would be held April 17, 1995, at the home of WA5HQJ. All club members are invited to attend these monthly meetings that start at 7:30 PM. Paul Dickey, N6JOX, announced that the Scout Jamboree on the Air would be held over PACIFICON weekend in October and asked for sign-ups.

Under old business, the club authorized expenditure of \$175.00 for property tags for its equipment. Under new business, the membership approved an increased expenditure over the budgeted amount for club shirts and hats. These items are selling at a profit and the club will realize a profit from the efforts of Salesman Lyle, KB6DOW. The subject of the logo being used was raised. After a lengthy discussion, President Larry said that the club could have as many logos as it wanted. He also said the we would follow up on clarification of ownership of the logo. Along the way a number of motions were made, revised, clarified, seconded and discussed at length. No action was needed nor taken.

The capital expense items previously listed in the CARRIER and

subsequently reviewed by the Board of Directors were presented to the membership. All of the proposed items were moved as listed below, seconded and approved. These were :

1. The scholarships were already in the budget for 1995 and required no further action.

2. There is an existing item in the budget for books for schools and libraries. This amount was increased by \$630.00. It should be noted that we will be able to buy these at dealer's cost from the league, who will also pay for shipment.

3. We will defer the support of school club activities until we hear from the schools. We will decide about each request as they are received.

4. Action on the BBS will be deferred until a SYSOP acceptable to the Board of Directors is identified.

5. The proposed public event trailer was approved after fielding of numerous questions by VEEP and Project Chairman John, KM6QX. These questions related to what events would benefit from the trailer (field day, bicycle and walkathon events, disasters), where it would be stored (several offers including at the Antioch Corporate Yard and at a Fire District Facility), how we would handle licensing and maintenance (\$75.00 included in proposal for first year license, would put in future year's budgets), insurance coverage (would not be permanently identified on outside, use banners for the specific event thus reducing its attractiveness to be broken into. Liability covered under our existing policy, damage to trailer covered by auto/truck insurance of person pulling trailer.) Brake provisions (under 3,000 pounds, does not require electric brakes), lighting provisions (12V, 110V combination, running lights provided by manufacturer), time line (4 to 5 months for delivery of basic trailer, 3 months for our installation).

6. \$250 for the Mt. Diablo Interpretive Association an appreciation for our use of the mountain on Field Day and for our repeaters.

There are a number of other suggestions received from members concerning ways we could support useful projects. These are all still active but will not likely be acted upon this fiscal year.

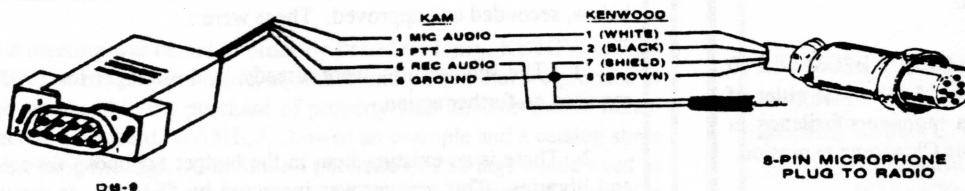
The program for the evening was presented by Mark Heckman. His subject concerned radio controlled model airplanes. His presentation was well received by those in attendance.

The meeting closed with the traditional door prize drawing.

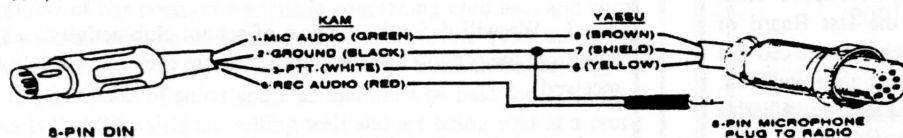
Respectfully submitted,

Richard M. Shappee, WA5HQJ
Secretary, MDARC

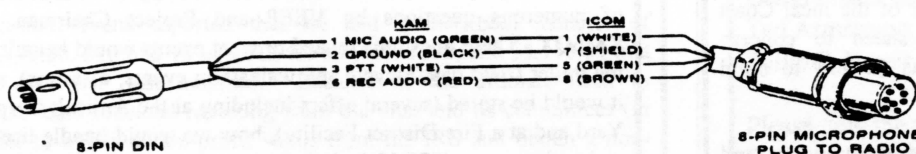
Model MFJ-5086YV: for KAM VHF port to most Kenwood / Alinco 8-pin radios, and any radios that are pin compatible with them.



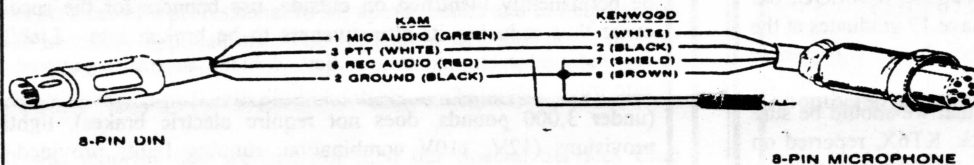
Model MFJ-5080YH: for KAM HF port to most Yaesu 8-pin radios, and any radios that are pin compatible with them.



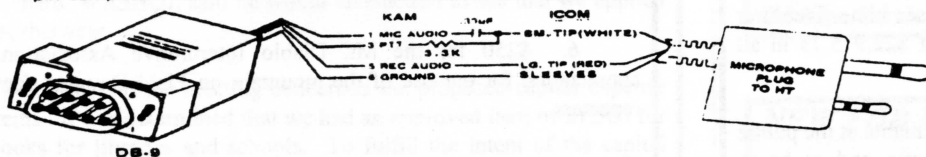
Model MFJ-5084YH: for KAM HF port to most Icom 8-pin radios (except 25A and 265A), and any radios that are pin compatible with them.



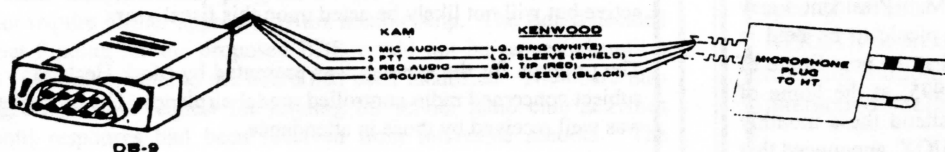
Model MFJ-5086YH: for KAM HF port to most Kenwood / Alinco 8-pin radios, and any radios that are pin compatible with them.



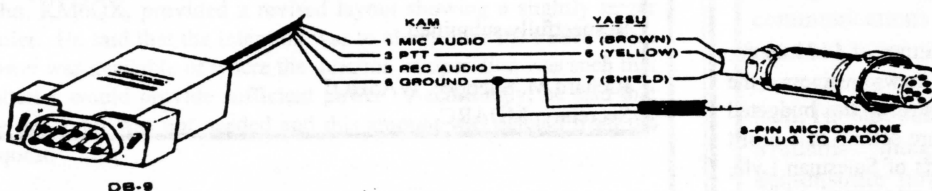
Model MFJ-5024YV: for KAM VHF port to most Icom and Yaesu HTs and those radios that are pin compatible with them.



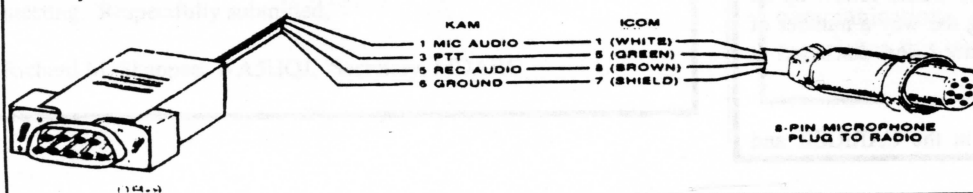
Model MFJ-5026YV: for KAM VHF port to most Kenwood HTs, except 2500, and those radios that are pin compatible with them.



Model MFJ-5080YV: for KAM VHF port to most Yaesu 8-pin radios, and any radios that are pin compatible with them.



Model MFJ-5084YV: for KAM VHF port to most Icom 8-pin radios (except 25A and 255A), and any radios that are pin compatible with them.



The illustrations at left show the type of connections required for different types of radios. The TNC connections are Kantronics which may or may not be the same as the connector on your TNC. Illustration Only.

Packet Radio Continued...

result in a good configuration. No special gadgets or components are required, just wire straight through. On all 4 pin radios, you must make a separate Receive Audio connection to the external speaker jack of the radio. Four pin mics do not have Receive Audio at the Mic. connector. Simply run the Receive Audio wire to the center connector of a miniature or subminiature plug (depending on the jack in your radio) and connect a lead to the Signal Ground line and to the outside of the miniature, or subminiature plug so you have ground. This will provide the audio required by the TNC and will disable the speaker on the radio so you don't have to listen to the racket created by packet communication.

The Hand Held Radio

For Hand-Held radios (HTs), this wiring is a little trickier. If possible, I have found it best to purchase a TNC to radio cable from MFJ which is prewired for your HT. They run about \$10 to \$15 but can save hours of frustration and shorted wires. You must make sure the specific cable you get is wired for your brand of radio, most are different.

Plugging in the wrong cable will simply result in an incorrect installation, nothing will be damaged. Some will, however, go immediately into transmit which results in emissions which do not meet FCC regulations. If this happens, disconnect the cable immediately.

The basic wiring for an HT is to connect the Receive Audio and Signal Ground to the Speaker jack on the HT. Here, no special configuration is required, just wire the connections straight through. This will automatically connect the ground wire which does not need to be connected anywhere else. On Kenwood HTs, connect the Mic. audio to the center lead of the Mic. plug and the PTT to the shield of the same plug.

On Icom, Standard and Yaesu HTs, Connect the Mic. audio to a .33uF capacitor and connect the capacitor to the center connector of the plug. Connect the PTT to a 2.0k to 3.3k (depending on the radio) resistor and connect the resistor to the center of the plug. The value of the resistor can be experimented with until you get a connection which provides a reliable key-up of the radio. I have found 2.2k resistors to work in most cases.

If there is anything which needs clarification, give me a call. If it is significant, I'll include it in the last article next month before we discuss software. The software discussion should be a little shorter. Thanks for reading!

January: **TNC Software**
Bob Weaver, KD6SYF

MDARC/RRRG QUAKE-NET INSTRUCTIONS

Immediately after feeling an earthquake, listen to 147.060/+(100 pl).

When frequency is clear, quickly and clearly transmit in the following sequence::

LOCATION, OBSERVATION, NAME and CALL SIGN.

If a Hospital or ARES/RACES net control is established, relinquish use of repeater and break only with urgent traffic using your CALL SIGN and LOCATION or CITY

**The Mount Diablo Amateur
Radio Club**P.O. Box 23222
Pleasant Hill, CA 94523**Meetings:**Third Friday Each Month
8:00 PM / 2000 hours
Our Savior's Lutheran Church
1035 Carol Lane, Lafayette, CA**1994 Club Officers****President:**Larry Gansz, KB2GV
(510)356-2411**Vice President:**John Stuart, KM6QX
(510)283-2797**Secretary:**Richard Shappee, WA5HQJ
(510)682-1644**Treasurer:**Frank Williams, WA6NSC
(510)934-3036**Membership Chairman:**Dick Schulze, AA6DL
(510)935-5000**Emergency Coordinator:**Sam Lipson, KO6JR
(510)229-5705**Directors:**Tom Seabury, KC6SYG
(510)837-4433
Ray Gaschk, KD6BLS
(510)933-3242**MDARC-PACIFICON HOT LINE**
(510)932-6125**Contra Costa County
ARES/RACES Nets**

Thursdays, 1900 Hours

Central County - 145.680/s

Jim Brunk, N6BHX
(510)372-8248

East County - 146.535/s

Jim Tittle, KC6SOE
(510)432-3220

South County - 146.355/+(100 pl)

Greg Nelson, WB6MBD
(510)933-5381

West County - 145.110/-

Rachel Lewellen, KB6LHR
(510)233-5034QSY to 147.735/- at 1920 Hours
Meeting of all County
ARES/RACES Nets**The Rocky Ridge Repeater
Group**P.O. Box 23222
Pleasant Hill, CA 94523**Next Meeting:**Third Wednesday Of Odd Months
07:30 PM / 1930 hours
Stonebrook Convalescent Center
Concord Blvd., Concord, CA**Chairman:**Jim Title, KC6SOE
(510)432-3220**Technical Chairman:**John Hendrickson, WA6LKP
unlisted**RRRG Repeaters**147.060/+(100 pl)
224.780/-(077 pl)
441.325/+(100 pl)
ATV - Input - 1253.250
Output - 427.250 (Cable CH 58)**RRRG Nets**Phone Net - Thursdays
1930 Hours, 147.060/+(100 pl)
Net Control: Jay Caldis, KT6Y
ATV Net - Thursdays
2000 Hours, Net Control:
Mike Burke, KB6RMT,
Alt.: Don Smith, W6NKF,
Youth Net - Thursdays
1900 Hours, 147.060/+(100pl), Net Control rotates**Contra Costa County
Emergency Services HF Net**First Thursday following
first Wednesday,
2000 Hours, 3.895 MHz
Net Control:
Sam Lipson, KO6JR**Carrier**Editor: Greydon H. Hicks, KC6SLE
4517 Shellflower Ct., Concord 94518
(510)798-1251
Folding: Jay Caldis, KT6Y
Mailing: Walt Ebbett, KB6QIB
Labels: Dick Schulze, AA6DL**Sheriff's Amateur Radio Communications Team**Clay Yale, N6YBQ
(510)228-8223

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). This publication is open to all members of MDARC and it is the policy of this Editor to publish all articles submitted by the membership as long as such articles are not obscene, pertain to Amateur Radio, are of interest to the members of MDARC and space is available. Articles are due by the first of each month and are accepted on a first come, first in basis. Articles should be submitted by packet, KC6SLE @ KB6AML.#NOCAL.USA.NA or packet mailbox, KC6SLE-1 or by modem to the Doug Smith's No Name Yet bulletin board, File area #23, at (510) 827-5714 or delivered to the Editor in ASCII format on either 5.25" or 3.5" computer disk. The standard font is Arial 9 point. The Editor's address can be found in the Carrier or MDARC Membership Directory. Articles published in the Carrier may be reproduced provided that such reproduction credits both MDARC and the author of the article. Copyrighted articles will not be accepted for publication in the Carrier.

CALENDAR OF EVENTS		
Livermore Swapmeet	Las Positas College Livermore	First Sunday Each Month All Year, 7:00 AM to Noon
RACES Monthly Meeting	State OEC, Civic Dr. Pleasant Hill	First Wednesday Every Month, 7:30 PM
MDARC General Membership Meeting	Our Savior's Lutheran Church 1035 Carol Ln., Lafayette	8:00 PM Friday May 19, 1995
Deadline for Carrier Articles	NA	June 1, 1995
Fairfield HAM Exams Dick, AB6EY, 916-791-0268	Fairfield Senior Center 1200 Civic Drive, Fairfield	Last Saturday of each month 9:00 AM to noon
RRRG General Membership Meeting	Stonebrook Convalescent Center 4367 Concord Blvd., Concord	Wednesday, May 17, 1995 07:30 PM
Concord VEC Exams Gene, WW6H	Consolidated Fire Training Center 2945 Treat Blvd., Concord	June 4, 1995 1:00 PM

The Carrier
a newsletter of the
Mount Diablo Amateur Radio Club
P.O. Box 23222
Pleasant Hill, CA 94523



FIRST CLASS MAIL



MDARC MEETING MAY 19, 1995!
NEXT RRRG MEETING IS MAY 17, 1995!